GARAGE   DOOR   OPENER

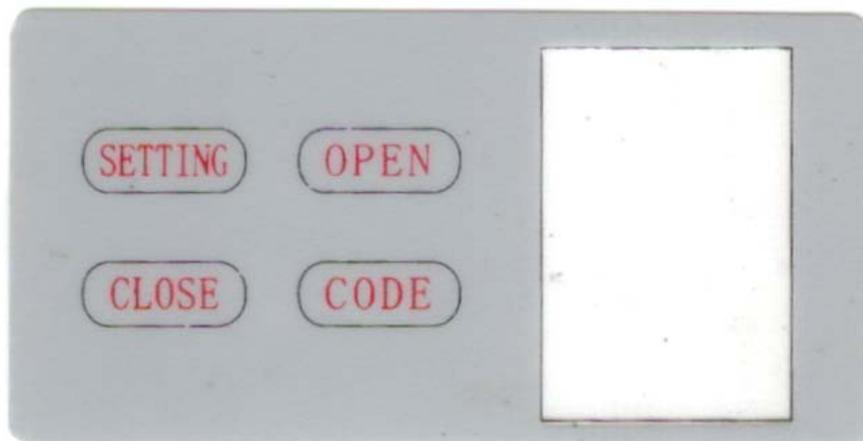## INSTALLATION   MANUAL

TABLE OF CONTENTS

Attention to security

To ensure your safety，reduce accidents happens ,before installation please must read the installation manual carefully, and operation is strictly comply with the installation manual. If you have some questions, please ask the specialists and the dealers.

1) The installation worker must inspect the door before installation, only allows installation the opener at balance state, otherwise it could have serious consequences.
2) When the door is running, no people and object can across, or stay below the door.
3) It is forbidden to use the remote control when you can not see the door running, avoid accidents and misuse of the garage door opening.
4) The mechanical limiters should add the doors two side to prevent the body slid off the door.

Note :if you do not have the side door ,please must installation blackouts unlocking device so as to open the door by hand when blackout.

Programming

2.1 Control board

2.2 Instruction of electricity

1) Puts through the power source, the LED display from "9" to "1".
2) If the LED direction is opposite, press button "SETTING", the LED demonstrated inverts, then from

"9" to"1" display again time.

2.3 Programming and canceling of remote control

1) Press button "CODE" over one second, until the LED display dot ".", is brightened, press the first or other key, then release , the dot "." is extinguished. Press this button again, the dot"." flashes quickly. After the decimal point"." off, which indicates the successful learning of remote control.

Note: To ensure that there is adequate time for implementation of SCM memory moves, in a remote control button, press the button each time to ensure a second time around, interval time should over one second during two press.

2) If need learning other remote control, reprogram according to step 1), the opener can study 20 remote controls at most.

3) Canceling the remote control: press button "CODE" until the decimal point "." is glow. Release the button "CODE" until the decimal point "." is off automatically, all memory was cleared.

Suggestions: if miss the remote control, so for your safety concerns you need to clear all remote control, then learning again.

2. 4Limit levels of learning

1)Press button "SEETING" over 4 seconds until the LED display the letter"1".it turn into opening position learn state. Press button "OPEN", at the same time ,the LED display "n" and flash, when the door reach to the desired position ,press button "SETTING" to confirm the opening position. At the same time, the LED displays the letter "2". It turn into closing position learn state; press button "CLOSE", the LED display "u" and flash ,when the door reach to the desired position ,press button "SETTING" to confirm the closing position.

2) The setting is completed, the LED display "||", the door can be used normally.

Note: if press button "OPEN", the motor operates to opposite direction, it indicates that the electrical output to receive wrong. At this time, the output line will only need a simple swap.

2.5 The adjustment of reverse force

1)Press button "SETTING" until the LED display the letter from "1"to "3", release the button, the processor get into the adjustment of reverse force. Use "OPEN" to increase the force, press" CLOSE" to decrease. At the same time, the LED displays the current size of setting reverse force.

2) The set is completed, press button "SETTING" to confirm, the LED display "||" which indicates that the processor out of setting, the door can be used normally.

2.6 Use photoelectric switches

1) The user can simply push a button to set or cancel photoelectric switch function;

2) Press button" CLOSE" over 4 seconds, the LED display "-" ,at this time you can set the photoelectric switch state .

3)Press button "OPEN", the LED display "H", indicates open this function ,press button "CLOSE", the LED shows "||"，indicate cancel this function.

4)Complete the set, press "SETTING" to quit, digital shows "||"，the setting of photoelectric switch completed, the doors can be used normally.

2. 7 Use automatically -closing function

1) To prevent users forget to close, especially set this function;
2) Press button "OPEN" over 4 seconds, the LED display "-", at this time you can set automatically–closing function.
3) Press button" OPEN" or "CLOSE" to adjusted automatically closing time;
Set up is completed, press button "SETTING" to confirm.
4) The LED shows "0", press button "SETTING" to confirm, at this time cancel automatically closing function.
5) Automatically -closing door function effective only under the door open completely, so if you want to cancel this function, it need you close door for a section.

Optional accessories installation

3.1   Wall switch 、photoelectric switch

The wall switch install indoors, it can control close/open door. The wall switch must install the position where see the door running, and the height should be more than 1.3m avoid misuse by children.

The photoelectric switches is an untouched safety system which provide one invisible light, when the door closing if someone or other obstacles hidden the light ,the door will stop at once ,and then running to opposite direction in 2 seconds, return to opening position , so reach to safety protect.
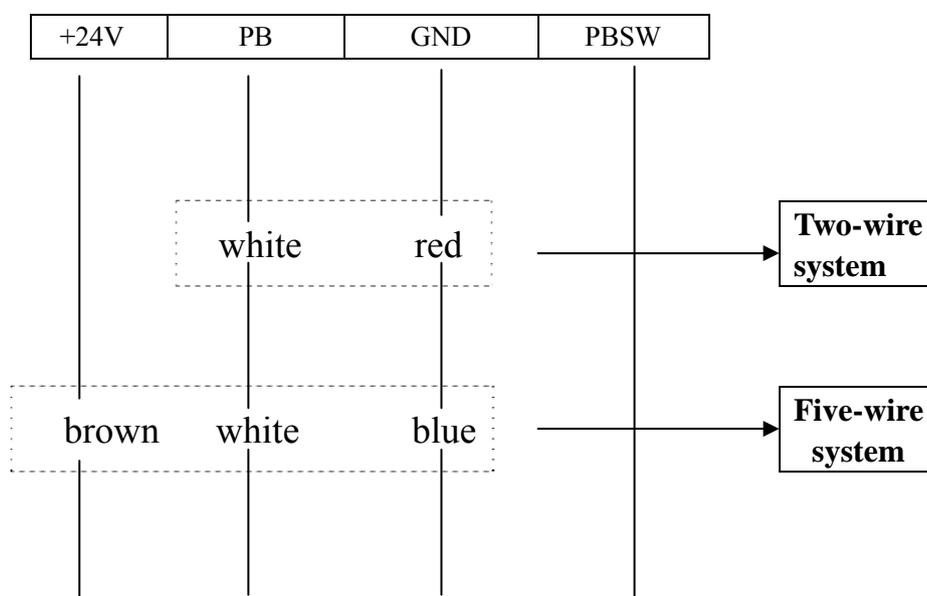
The shelf of switch's height should more than 150mm, and make it far away door hole, avoid sunlight. Use expending screws fasten the shelf, and keep the shelf level, if the two side of wall is not in a level it needs to use liner to adjust. Use M6*30 bolts to install the inner parts.

3.2 Wiring method
The wiring method is decided to whether have the 6P4C plug in opener.
1) No 6P4C plug in opener
First open the cover, find "PB" in PCB, as follows:

+24V	PB	GND	PBSW

white   red   → **Two-wire system**

brown   white   blue   → **Five-wire system**

Note:

+24V   power wiring
GND   ground wire
PB   signal terminal of the infrared ray
PBSW   signal terminal of the wall power switch

The method of two-wire system
PB   connect white   GND   connect red
The method of five-wire system
+24 connect brown   GND connect blue   PB connect white
Wall switch connect with PBSW and GND

2) 6P4C plug in opener
Respectively insert 6P4C plugs of both sending part and receiving part which belongs wall switch into the socket, the photoelectric switch which buy by customers ,you can stall it according to step 1).
Insert the wall switch of 6P4C plugs into the socket, the wall switch which buy by customers, you can stall it according to step 1).

Power failure clutch lock

If your garage door is in the open state, when encountering power failure, you can pull the emergency release handle manually to disconnect the clutch with the chain connector, and then pull the door panel downward to the closing position manually; door panels will be blocked by the limit hole.(The erector installation according to actual position which is the distence of clutch ,use electric drill make a hole about 8mm)

Maintenance and repair

Check the safety protection function of the opener at least one month regularly whether the closing state changed , it is sensitive for error recognition ,the door is keep balance and adjust in time ,so as to keep the best state,. It is necessary for find a specialist to check and adjustment.

Technical parameter

a、Rated voltage: AC220V 50Hz

b、Rated output torque :6N*M/8N*M/12N*M (according to different model)

c、Lighting Power : 25w

d、Max. Speed: 80mm/s

e、Remote controlling distance: ≥20m

The common stoppage and trouble shooting

Fault	Cause	Remedy
No response for the operator, LED off	•Disconnection between door opener and power supply	•Check the electrical outlet
No response for the operator	• The programming is wrong	•Restart the programming
While opening or closing doors, it stops in its way, and runs at opposite way	•The resistance is stronger than the system,activate the protect system	•Check the balance system of the door •Increase the load force of the door
The door can not close	•The photoelectric switch is shelter from the obstacle •The system has this function,but disconnect.	•Remove the obstacle •Do not use photoelectric switch or connect
The door can not open or close completely	•Programme is wrong	•Restart learning the travel
The wall switch can use ,but remote control does not work	• The remote control does not learn • No battery in the remote control	•Learning the remote control according to the manul
The remote control distance is get near ,the light is become dark	•The battery is powerless	•Replace the battery
The remote control is work,but the wall switch does not work	•The wire of wall switch is loose or turn off	•Check the connection wire of wall switch

Maintain record

Name		Installation time	
Maintain time	Cause	Remark	